

# Town Council Meeting

## March 25, 2010



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### Monitoring Program Objectives

### Agenda Item #10



# Site Monitoring Program

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- Initiate a pad site monitoring program to address air quality/environmental aspects of gas production operations.
- Conduct more frequent inspections; odor, emissions, and operations.
- Purchase emissions monitoring equipment, such as PID or TVA to detect fugitive emissions/leaks.



# Air Monitoring Program

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- Reviewing options for permanent or scheduled air monitoring stations/locations.
  - Auto GC air monitoring station.
  - Use a “6-day canister” sampling method.
  - Scheduled ambient air sampling at multiple locations at designated intervals.
- TCEQ has added monitoring stations at Eagle Mountain Lake and DISH – TCEQ indicated potential new sites are being reviewed.
- Continued dialogue with TCEQ/RRC on increased inspections and collective efforts to address issues.



# Ordinance Updates/Review

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- Operation or pad monitoring fee to address costs and staff time associated with air/site monitoring and inspections.
- Review air reporting requirements for operators.
- Review of MACT or BMPs for vapor recovery & emissions control for drilling and production operations.



# Ordinance Update/Review

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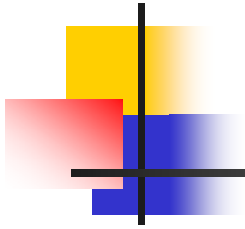
- Coordinate with adjacent communities currently addressing similar issues and regulations.
- Review pad site screening standards.
- Continued research on production fluid recycling.
- Continue to follow federal and state programs to address environmental impacts from drilling operations .



# Direction & Discussion

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- Options for additional ambient air monitoring and sampling.
  - Conduct follow up sampling at designated locations.
  - Permanent or fixed air sampling methods.
  - Source sampling at designated sites.
- Timeline and objectives for ordinance review – future Council Communication.



# Cummings C West Flowback Spill

## March 17, 2010

# Cummings C West Flowback Spill



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- Staff was notified of the spill at approximately 10:00 a.m. on March 17<sup>th</sup>.
- Staff immediately contacted the Railroad Commission.
- Staff responded with an inspection of the site.



# Inspection Summary

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March 17, 2010

- A hatch on the frac tank had a bad seal causing a leak.
- 80 bbls of flowback water leaked from the tank onto the pad site and into the grass.
- Standing pools of liquid removed by vacuum truck.
- A Railroad Commission inspector conducted an inspection. Soil sampling was being conducted and remediation is required at the expense of the operator.

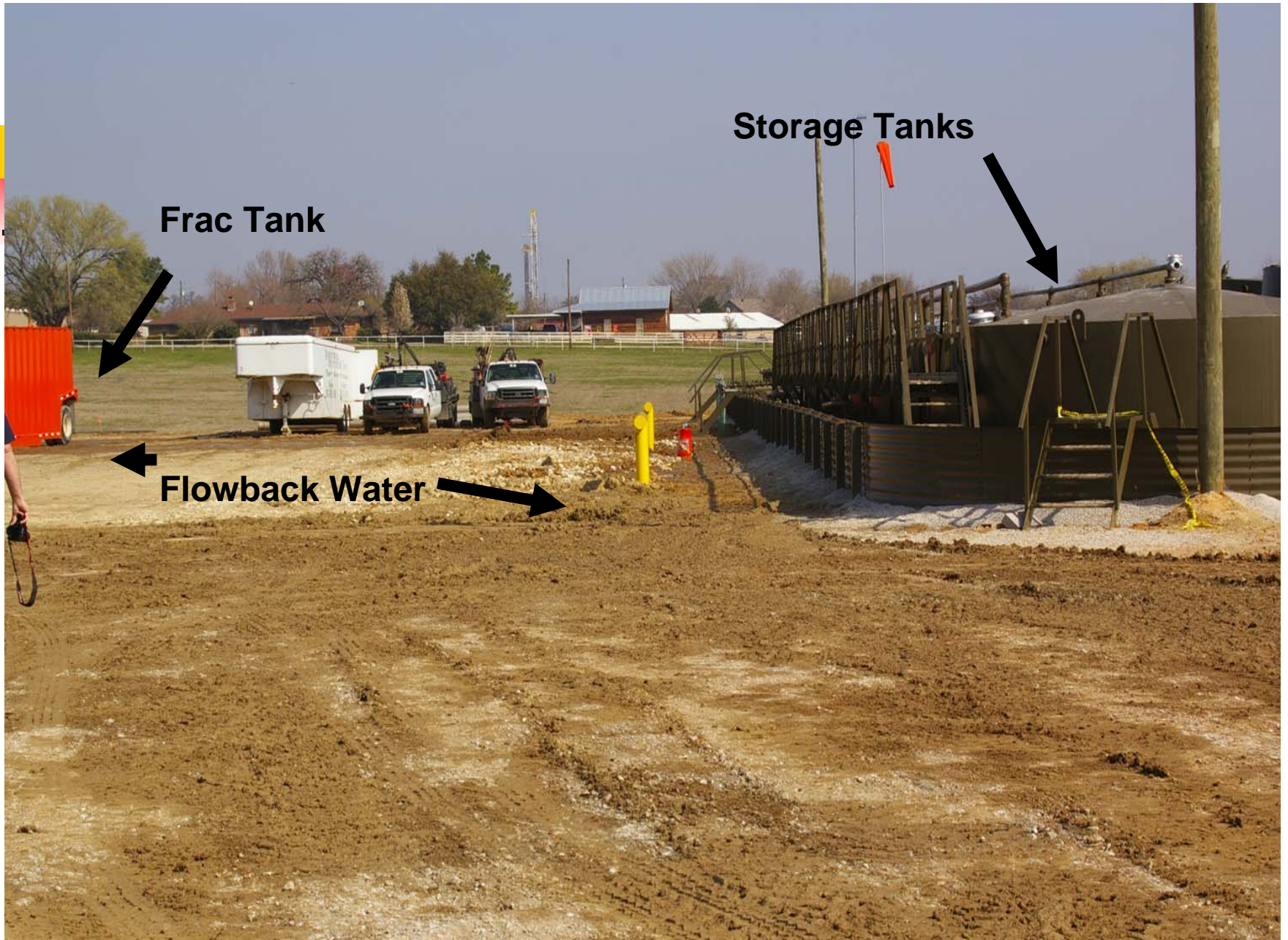


# Inspection Summary

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March 18, 2010 – March 24, 2010

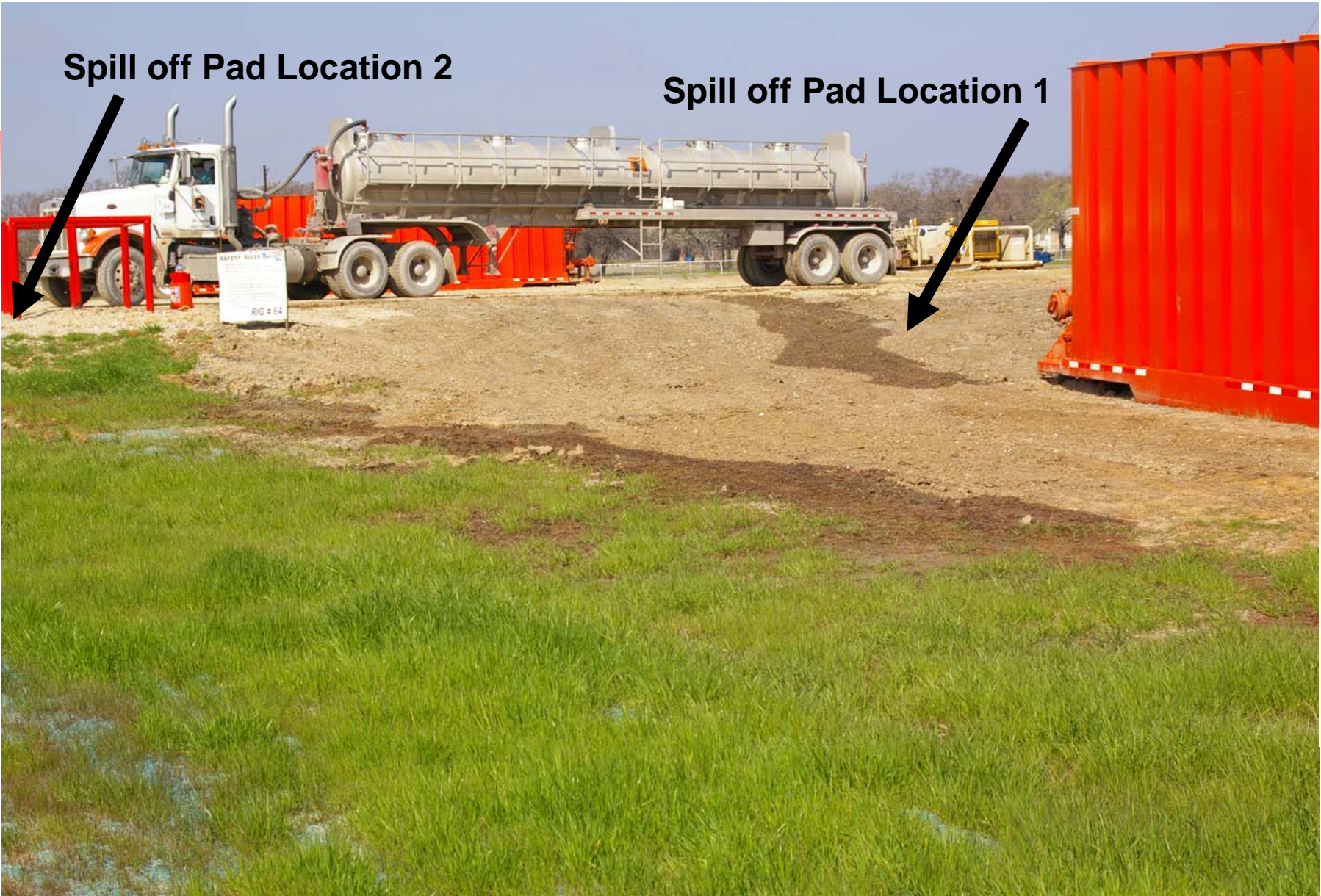
- The RRC product loss report indicated 65 of 80 bbls of fluid was recovered.
- Flowback water migrated off of the pad site; ~30 feet from the pond. The flowback water did not reach surface water.
- Soil remediation process conducted and the mulch filter berm has been replaced.
- Required report from the operator to be submitted within 30 days.



**Frac Tank**

**Storage Tanks**

**Flowback Water**



**Spill off Pad Location 2**

**Spill off Pad Location 1**

SAFETY RULES  
RIG # 04



**Frac Tank**



**Pond**



**Filter Berm**



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